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AEC IDNL-T/CA T3

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He-ATOMS. [1961] 23p. 7 refs.
Order from SLA m\$2.70, pl\$4.80 61-10916
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1. Helium--Luminescence
2. Helium--Excitation
3. Helium--Spectra

I. Maurer, W.
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Office of Technical Services

(Unannounced)

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Order from SLA \$1.10

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I. Valentiner, S.
II. Becker, G.

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DESCRIPTORS: Manganese alloys, Nickel alloys,
Magnetic properties, Temperature, Conductivity,
Alloys.

(Unannounced)

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Properties of Hydrogen, Helium and Nitrogen.
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GERMAN, per, Z. Physik, Vol 94, 1935; Vol 95, 1935.
*NTIS TT 72-53059

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NTC 20-23822

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SLA 58-503
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NTC-71-10594-20H

HEC ORNL-LC 1162

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Rexer, Ernst.
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PTS. 1, 3-4, 7-8 (Untersuchungen am Langwelligeren
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Order from SLA \$2.60

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I. Rexer, E.

Partial trans. (p. 70-76, 83-92) of Zeitschrift für
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DESCRIPTORS: *Ultraviolet light, Absorption, *Crys-
tals, Alkali metal compounds, *Potassium compounds,
*Sodium compounds, Halides, Bromides, Chlorides,
Absorption spectrum, *Color centers, Excitation,
Heat treatment, Electrolysis, *Fluorescence *Elec-
tron capture

(Physics--Solid State, III, v. 10, no. 2) (over)

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On the Problem of Ball Lightning, by Th. Neugebauer,
10 pp.

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ACSL Tr 835
SLA 57-2857
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NLL Ref: 5809.95 (T.6353)

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AEC UCRL Tr-718(L)

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SIA TT-64-16993

Sci - Phy
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21 pp.

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Dependence of Specific Pressure and Electron Impact
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Upon Strength of Current, by R. Rompe, P. Schulz.
GERMAN, per, Z. Phys., Vol 110, 1938,
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URCL-Trans-10322

July 69

385-966

F. Tyren

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ZEIT PHYSIK, Vol 111, 1938-39. pp 314-317.

NAV/NRL-Tr-1259

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Glaeser, Walter.
THE DEFLECTION ERRORS OF ELECTRICAL AND
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II. SLA-57-3342

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Scientific - Physics 30, 222
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Dependence of Specific Pressure and Electron Impact
Widening in the High Pressure Mercury Discharge
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Order from SLA \$2.60 62-16027

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DESCRIPTORS: Infrared spectroscopy, Absorption,
Silicates, Zirconium compounds, Aluminum com-
pounds, Benitoite, Beryl, Mica, Potassium compounds.

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SLA 57-~~10232~~ 3347

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SLA 64-10232
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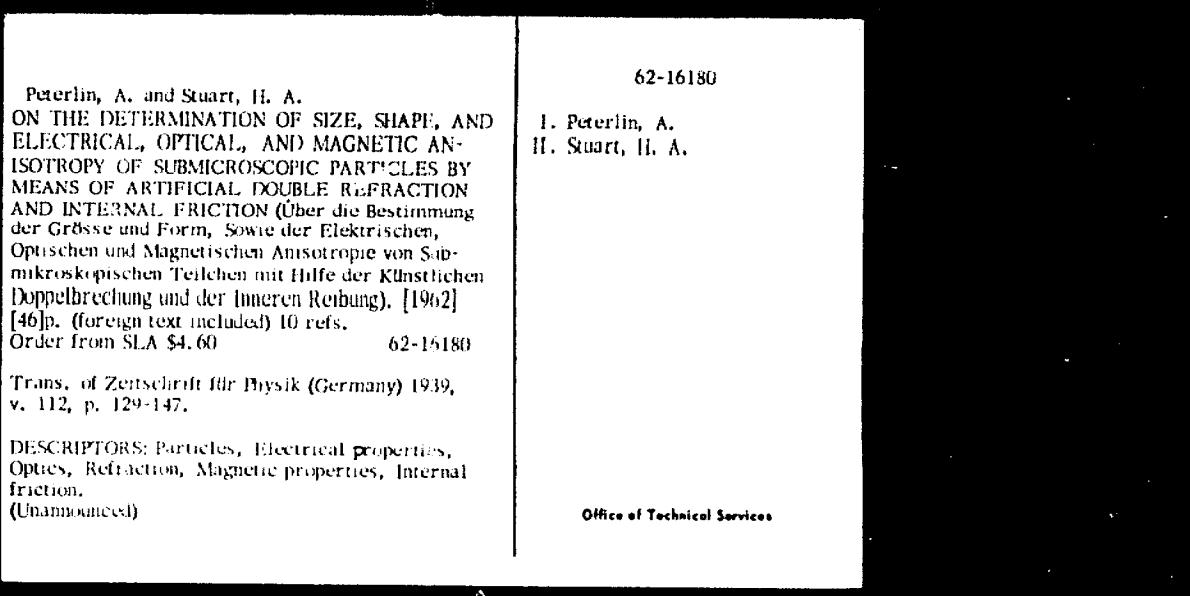
The Diffusion of Hydrogen Plus Deuterium in Steel -
Part 1 - Iron as a Cathode of a Glow Discharge, by
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*NTIS/NBS TT 71-53098

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Radiation at High Densities, by R. Rompe,
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Other Metals, by A. Gutherschulze.
GERMAN, per, Z. Physik, Vol 112, 1939, pp 648-653.
*NTIS/NBS TT 71-53097
Available NBS Only

June 71

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Electric Conductivity and Galvanomagnetic Effect,
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AEC Tr 1740

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Scientific - Physics Dec 53 CIS/DEX

The Line Widths of HCl Bands, by Einar Lindholm

GERMAN, per, Zeit fuer Physik, Vol CXXXI,
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Jan 56 GTS

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Hoseman, R.
THEORY OF X-RAY SCATTERING BY PARTICLE
MASSES: SETTING UP OF AGGREGATION DIA-
GRAMS. [1962] 26p. (figs. omitted) 9 refs.
Order from SLA \$2.60 63-10494

Trans. of Zeitschrift für Physik (Germany) 1939,
v. 113, p. 751-768.

DESCRIPTORS: *X-rays, *Scattering, Particles,
Cellulose, Fibers, Theory.

(Physics--Solid State, TT, v. 10, no. 2)

63-10494

I. Hoseman, R.
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Temperature Dependence of the Diffusion Constants of
Atomic Hydrogen and of Protons in Iron, by
A. Gutherschulze.

GERMAN, per, Z. Physik, Vol 114, 1939, pp 82-91.

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The Sound Radiation Pressure in Liquids, by G. Hertz,
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GERMAN, per. Zeit. fur Physik, Vol 114, 1939,
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NLL Ref: 5828.4F (7817)

Sci/Physics
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Sci - Electricity, Physics 52, 363

Sep 57

Wolf, R. and Maurer, W.
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ON THE VALIDITY OF THE SPIN CONSERVATION
THEOREM IN COLLISIONS OF THE SECOND KIND
BETWEEN EXCITED AND NORMAL HELIUM
ATOMS. [1961] 34p. 9 refs.
Order from SLA \$3.60

61-14478

Trans. of Zeitschrift für Physik (Germany) 1940,
v. 113, no. 7/8, p. 410-430.

DESCRIPTORS: *Helium, Fluorescence, Excitation,
Glow discharges, Atomic spectrum, Electrons, Spin.

(Unannounced)

61-14478
I. Wolf, R.
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161712

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The pressure dependence of column ionization by
 α Rays, by E. Helbig, 15 pp.

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AERE tr-11/3/5/1199

Sci - Phys
Jan 60

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Dosse, J.
THEORETICAL AND EXPERIMENTAL EXAMINA-
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18 figs. omitted) 32 refs.
Order from SLA \$3.60

62-16205

Trans. of Zeitschrift für Physik (Germany) 1940,
v. 115, p. 530-556.

DESCRIPTORS: *Electron guns, Electron beams,
Geometry, Electrodes, Theory, Experimental data.

(Engineering--Electronic, TT, v. 8, no. 6)

62-16205

I. Dosse, J.

Office of Technical Services

The Transformation of Energy in Solids, by
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GERMAN, per, Zeit fur Physik, Vol CXV, 1940,
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Scientific - Physics

Nov 55 CIS/DEX

Progress in the Production of Images of Surfaces
Irradiated with Electrons, by E. Ruska,
H. O. Muller, 2 p.

GERMAN, Zeit Phys, 1940, Vol CXVI, No 5/6, pp 366-369

SLA 59-20403

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Mar 60
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Sub-Light Microscopic Resolving With the
Forming of Images of Surfaces in the Electron
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GERMAN, per, Z Physik, Vol CXVI, No 5/6,
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SLA 57-2050

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The Molybendum-Thorium System, by H. Nelting.

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*NTIS/NBS TT 71-55175

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The Mechanism of Electrical Gas Clean-Up at
Pressures Below 10^{-4} mm. Hg, by H. Schwarz

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Nat'l Res Council Canada TT 389

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*NTIS TT 72-53162

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Elastic Vibrations of an Anisotropic Medium of
Rectangular Parallelepiped Form, by R. Bechmann,
35 pp.

GERMAN, per, Z Physik, Vol CXVII, No 3/4, 1941,
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SLA Tr 57-1414

Sci - Physics

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On the Measurement of the Field of Magnetic Electron
Lenses, by J. Dosse, 14 pp.

GERMAN, per, Z Physik, Vol CXVII, No 7/8, 1941,
pp 437-443.

SLA Tr 57-882

Sci - Physics

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Sep 57

Electron-Optical Focusing By Quasistatic Paths,
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AEC Tr1709

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AEC Tr

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On the Sensitivity Distribution of Selenium
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20 pp.

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SLA 57-1376

May 58

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On the Theory of the Cylindrical-Parabolic Mirror,
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GERMAN, per, Zeit. fuer Physik, Vol CXVIII, 1941,
pp 343-356.

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T-139 G T-171 & E

Scientific - Physics 30,236
Jan 56 CTS

Dispersion and Absorption of Sound in Clouds,
by K. Oswatitsch,
GERMAN, per, Z. Physik, No 21-22, 1941,
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